



Gaocheng Li  
12933 79<sup>th</sup> Pl NE  
Kirkland, WA. 98034

On April 9<sup>th</sup>, 2015 I inspected all the trees at the residence of Mr. Gaocheng Li at 12933 79<sup>th</sup> Pl NE in Kirkland WA.

There are 12 trees at the property, two of which are on the other side of the fence on the county right of way. I have numbered the trees in my report as 1 through 12 starting on the

short plat map in the middle in the back yard and moving in a clockwise direction around the property. The trees are both Deciduous and Conifer.

My report will include a description of the Tree species, DBH, Height, location, general health, targets, and any mitigation needed.

### FINDINGS

**Tree #1)** Large Multi-stemmed Big Leaf Maple (*Acer macrophyllum*) in the middle of the back yard on the south side of the property nearest to the fence.

There are 9 stems with a DBH of 15" to 20" and height of 55', there is a lot of inclusion at the base where the stems are connected. There is evidence of Armillaria at the base of the tree indicating possible root rot. The tree is of average health and vigor with a live crown ratio of 85% there is 1 stem that is cracked and hanging over the property to the south in the area where children are playing. Most of the stems are growing over the property to the south.

**Recommendation:** Because of the Species, Location and condition of the tree and history of failure this tree is a hazard and I would recommend removal of this tree and replacement in accordance with the city guidelines.

**Tree #2)** A Western Red Cedar (*Thuja plicata*). Located in the SW corner of the property. Tree is 95' in height with a DBH of 22" and has a small 6" DBH co-dominate stem at the base and is 30' in height. Tree is of average health and vigor with a live crown ratio of 95%.

**Target:** The only target for this tree is the fence next to it and the road to the west of it (Juanita Drive NE)

**Recommendation:** The only recommendation I would have is to remove the small stem at the base of the tree.

**Tree #3)** Big leaf Maple (*Acer macrophyllum*) Located on the west side of the property owners fence. Between the fence and Juanita Dr. NE.

Tree is a Multi-stemmed maple with 1 main stem of about 20" DBH and two smaller stems about 14" DBH, the height is about 40', tree is of average health and vigor with a live crown ratio of 90%.

**Target:** The main stem is leaning over Juanita Dr. at about 22 degrees; the other two stems are vertical.

**Recommendation:** This tree is not on the Owners property and I have no recommendation.

**Tree #4)** Western Red Cedar (*Thuja Plicata*). Located on the west side of the property owners fence between the fence and Juanita Dr. NE.

This tree is a single stemmed tree with a 32" DBH and height of 100'. Tree is of above average health and vigor with a live crown ratio of 95%. There are no noticeable defects or diseases.

**Recommendation:** The tree is not on the owner's property and I have no recommendation.

**Tree #5)** Big Leaf Maple (*Acer macrophyllum*) located on the North side of the property about the middle of the yard. Tree is a single stem tree leaning at about 18 degrees over the fence and the neighbor's garage. This tree is 45' in height and 23" DBH. This tree is stressed and has a live crown ratio of 65%. There is evidence of Armillaria at the base of the tree.

**Recommendation:** This tree is stressed, most likely because of the Armillaria and has a strong lean over a building on the neighbor's side of the fence. I recommend removal and replacement in accordance with the city guidelines.

**Tree #6** Madrona (*Arbutus menziesii*). This tree is at exactly the same location as tree #5 on the map. It is a co-dominate stem tree with both stems measuring 21" DBH and 23" DBH with a height of 60'. Both stems are very stressed with a live crown ratio of about 15%. This tree will be completely dead in 1 to 2 years.

Target area is the deck in the back yard and the building on the north side of the fence.

**Recommendation:** I recommend removal of this tree and replacement in accordance with city guidelines.

**Tree #7)** Scotch pine (*Pinus sylvestris*). This tree is in the right front yard on the north side of the house about 30' from the street, (79<sup>th</sup> PI NE), this tree has a typical branch structure with a DBH of 26" and a height of 50' this tree is of average health and vigor with a live crown ratio of 70%

**Target:** The House of both the owner and the North neighbor is the target only if this tree should uproot or fail. This event is highly unlikely.

**Recommendation:** The only mitigation I would recommend is to do structure pruning and removing small dead branches.

**Tree #8)** Norway Maple (*Acer platanoides*), This tree is located on the northern edge of the property about 8' from the street (79<sup>th</sup> PI NE), Health and vigor of this tree is average plus. The DBH is 21" and the height is 40' it has normal stem structure with very little evidence of any pruning events. It is growing from a small mound between the sidewalk and the lawn area.

**Recommendation:** I would recommend structure pruning and thinning of this tree and raise the canopy a little.

**Tree #9)** Birch (*Betula pendula*); this tree is located in the middle of the front yard on the north side of the driveway and about 7' north of sidewalk. This tree is 15' in height and DBH of 8", this tree has had multiple pruning events to make it appear mushroom in shape. It is average in health and vigor with a live crown ratio of 90%. The shape is pleasing and there is no target area.

**Recommendation:** None.

**Tree #10, 11, 12)** Ornamental Plum (*Prunus blireana*), These 3 Plum trees are on the south side of the driveway at the edge of the property line. They are poor in health and vigor with the one closest to the street almost dead. They are between 12' and 25' in height and 10" and 13" DBH with the first one being the smaller of the measurements and the other two being the same. They all have poor stem and branch structure and have decay and inclusion in the main stems. Target: None.

**Recommendation:** Remove and replace in accordance with the city guidelines.

### **CONCLUSION**

Most of the trees on the property are of good health and structure. The two areas of concern to me are the multi stemmed Maple on the south side of the property in the back yard and the Maple and Madrona on the north side of the back yard.

Both of these locations are in the lower half of the proposed short plat. There are high value targets and the trees are all hazardous and should be removed before any building goes on and makes the job of removal more cost prohibitive.

Sincerely,

Ron Paquette  
Certified Arborist  
#PN5728A  
Eastside Tree Works